Bruhat Bangalore Mahanagara Palike
Executive Engineer Project Division Dasarahalli

Name of Work: Improvements of Roads From Mallikarjuna Swamy Temple to Dhobighat sy No:33 in Mallasandra Ward No:13

No	Description	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. including breaking of clods 2.0x1.28x10 =25.60(P.No-6,I No-2.3)								
	For UGD								
	Dhobi Ghat Anjaneya temple	1	157.00	1.00	1.00	157			
	Man Hole	7	1.13		1.00	7.91			
						164.91	**Cum**	**291.08**	**48,001.34**
2	KSRB 12-1 : Providing and laying in position to required level or slope of internal diameter salt **glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification -KSRB 12-11.4 : **– do – 230mm**(P.No-72,I No-11.4)								
	For UGD								
	Dhobi Ghat Anjaneya temple	1	157.00			157.00			
						157.00	**M**	**568.16**	**89,201.12**
3	KSRB 12-5 : Constructing brick **masonry circular type** manhole 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4 KSRB 12-5.1 : – do – **0.91m deep**(P.No-73,I No-11.37)								
	For UGD								
	Dhobi Ghat Anjaneya temple								
	Man hole 0.75m deep	2				2.00			
						2.00	**Nos**	**15587.30**	**31,174.60**

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Description	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRB 12-5 : Constructing brick **masonry circular type manhole** 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4 KSRB 12-5.2 : – do – **1.67m deep**(P.No-74,I No-11.38)								
For UGD								
Dhobi Ghat Anjaneya temple								
Man hole 1.30m deep	5							
					5.00			
					5.00	**Nos**	**25741.04**	**128705.20**
KSRB 2.6 : Providing and **filling sand** in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. (Page no- 7, item No-2.13)								
For UGD								
Dhobi Ghat Anjaneya temple	1	157.00	1.00	0.30	47.10			
					47.10	**Cum**	**2183.60**	**102847.56**
KSRB 2-4 : Refilling **available earth** around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(P.No-7,I No-2.11)								
For UGD								
Dhobi Ghat Anjaneya temple	1	157.00	1.00	0.75	117.75			
					117.75	**Cum**	**128.26**	**15,102.62**
KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications including all lead and lifts and as per the direction of engineer in charge0(P.No-143,I No-19.11)								
RCC Drain								
Dhobi Ghat Rd	2	135.00	1.50	1.20	486.00			
Cross Rd 01	1	36.00	1.20	1.20	51.84			
RCC Culvert								
Dhobi Ghat	2	7.00	1.50	1.40	29.40			
					567.24	**Cum**	**214.50**	**121673.89**
KSRRB M300-14. **Excavation for roadwork in all types of soil by mechanical means** including cutting and loading to tippers, trimming bottom and side slopes, and transportation with a lead of 6.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143 of PWD BCSR 2018-19) , 5km lead= 2.0x1.28x5 =12.8 , including the cost of loading and unloading, disposal using private vehicle and lead off of 6km(P.No-143,I No-19.14)								
CC Road								
Dhobi Ghat Rd								
From cross Rd	1	122.00	14.20	0.20	346.48			

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No	Description	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross Rd 1								
	From main Rd	1	37.00	7.20	0.20	53.28			
						399.76	Cum	57.03	22,797.51
	KSRRB M2100-10. Providing and laying Plain **cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications including all lead and lifts and as per the direction of engineer in charge. (P.No-222,I No-27.18)								
	RCC Drain								
	Dhobi Ghat Rd	2	163.00	1.50	0.15	73.35			
	Cross Rd 01	1	36.00	1.20	0.15	6.48			
	RCC Culvert								
	Dhobi Ghat	2	7.00	1.50	0.15	3.15			
	For CC Road								
	Dhobi Ghat Rd								
	From cross Rd	1	122.00	14.20	0.10	173.24			
	Cross Rd 1								
	From main Rd	1	37.00	7.20	0.10	26.64			
						282.86	Cum	5421.90	1533638.63
	KSRB 4-1.7 : Providing and laying in position plain **cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm** and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2(P.No-13,I No-4.7)								
	PCC for Kerb								
	Dhobi Ghat Rd	2	163.00	0.20	0.10	6.52			
	Cross Rd 01	1	36.00	0.20	0.10	0.72			
	Trees Surrounding	15	4.70	0.20	0.10	1.41			
						8.65	Cum	5627.54	48,678.22
	Providing and laying plain/reinforced **cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification including all lead and lifts and as per the direction of engineer in charge. (P.No-271,I No-37.59.2)								
	RCC Drain								
	Raft								
	Dhobi Ghat Rd	2	163.00	1.20	0.15	58.68			
	Cross Rd 01	1	36.00	0.90	0.15	4.86			
	Side Wall								
	Dhobi Ghat Rd	4	163.00	0.15	1.10	107.97			
	Cross Rd 01	2	36.00	0.15	0.70	7.56			
						179.07			
	RCC Culvert								
	Raft								

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No	Description	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Dhobi Ghat								
	Wall	2	7.00	1.20	0.20	3.36			
	Dhobi Ghat								
	Top Slab	4	7.00	0.23	1.20	7.73			
		2	7.00	1.20	0.20	3.36			
						14.45			
						193.52	Cum	7070.20	1368219.45
12	KSRRB - M2300-14: **Providing TMT steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications including all lead and lifts and as per the direction of engineer in charge. (I No-28.8.2 , P No-229)								
	For Drain, 55kg/cum	1	179.07	55.00		9848.92			
	For Drain, 80kg/cum	1	14.45	80.00		1155.84			
						11004.76			
						11.00	Tn	72326.98	795940.77
13	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc. (Data Rate)								
	RCC Drain								
	Dhobi Ghat Rd	2	163.00	0.90		293.40			
	Cross Rd 01	1	36.00	0.90		32.40			
	Deduction of BS Slabs	-1	14.40	0.90		-12.96			
						312.84	Sqm	2337.00	731117.60
14	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete.(P.No-27,I No-5.3)								
	Dhobi Ghat Rd	2	163.00			326.00			
	Cross Rd 01	1	36.00			36.00			
	Trees Surrounding	15	4.70			70.50			
						432.50			
						961.00	Nos	432.48	415613.28
	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.(P.No-180,I No-24.1)								
	Dhobi Ghat Rd	2	163.00		0.35	114.10			
	Cross Rd 01	1	36.00		0.35	12.60			
	Trees Surrounding	15	4.70		0.35	24.68			
						151.38	Sqm	84.80	12,836.60
	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305(P.No-147,I No-19.60)								
	hobi Ghat Rd	1	122.00	14.23	0.40	700.83			

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Sl No	Description	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross Rd 1								
	From main Rd								
		1	37.00	7.20	0.20	53.28			
						754.11	**Cum**	**344.50**	**259790.92**
17	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18 of PWD BCSR 2018-19)								
	Dhobi Ghat Rd								
	From cross Rd								
	Cross Rd 1	1	122.00	14.20	0.15	259.86			
	From main Rd								
		1	37.00	7.20	0.15	39.96			
						299.82	**Cum**	**2001.28**	**600023.77**
18	KSRB 4.2.7 : Providing and laying in position reinforced **cement concrete of design Mix M25** with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.KBS 4.1, 4.6 (P.No-14,I No-4.10 KPWD SR 2018-19)								
	Dhobi Ghat Rd								
	From cross Rd								
	Cross Rd 1	1	122.00	14.20	0.15	259.86			
	From main Rd								
		1	37.00	7.20	0.15	39.96			
						299.82	**Cum**	**6160.72**	**1847107.07**
19	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No-176,I No-22.7)								
	Dhobi Ghat Rd								
	From cross Rd								
	Cross Rd 1	1	122.00	14.20		1732.40			
	From main Rd								
		1	37.00	7.20		266.40			
						1998.80	**Sqm**	**72.08**	**144073.50**
20	Providing groove cutting for width of 5mm to 10mm and depth 80mm 100mm including cost of cutting machine, generator & HOM, including cost of blade,cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.- do- for concrete pavement (P.No-176,I No-22.8.1)								
	Dhobi Ghat Rd								
		1	122.00			122.00			
	for Every 6.0mtr	20	14.20			284.00			
	Cross Rd 1								
	for Every 6.0mtr	6	7.20			43.20			
						449.20	**Rtm**	**143.10**	**64280.52**
								Total Construction Cost	**8380824.17**
								GST Charges 12%	**1005698.90**
								Sub Total	**9386523.07**
								Towords DPR & PMC cost	**187730.46**
								KRIDL Charges 4.5%	**422393.54**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Utility Shifting,Miscellaneous and Rounding off	3382.50
	(Rs. one hundred Lakhs only)							GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Project division,Dasrahalli
BBMP Bangalore

Asst. Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

ನಂ: 11/18-19 ದಿನಾಂಕ: 27.12.2018
ರೂ: 100,00,000/- Hundred Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವ ... ಬಿ.ಬಿ.ಎಂ.ಪಿ.

ನಂ. CK/D2/TS/86/18-19 ದಿನಾಂಕ : 31/12/2018
ರೂ. 100.00 /- (Rs Hundred lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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